

## THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Marc Albertsen et al. 1 Art Unit: 1638

Serial No.: 10/021,657

Filed: December 14, 2001 1 Examiner: A. Kubelik

For: Nucleotide Sequences Mediating 1

Fertility and Method of Using Same 1 Confirmation No. 5787

## DECLARATION UNDER 37 CFR §1.131

Commissioner for Patents Washington, D.C. 20231 Sir:

I, Tim Fox, declare and say:

I am an inventor for the above-identified application. I conceived and reduced to practice in the United States the invention claimed in the above-identified patent application prior to February, 2000, the publishing date of the reference to Genbank accession AW424821.2; prior to March, 2000, the publishing date of the reference to Genbank accession AW519943; and prior to August 2000, the publishing date of the reference to Genbank accession BE494080.1. Attached Exhibit A is the sequence of the SBMu200 gene, which sequencing was conducted at my instructions by our contractor and provided to before the dates identified above.

The invention was thus conceived and reduced to practice in the United States prior to February 2000. The Exhibit, which relates to the conception and actual reduction to practice, corresponds to the invention broadly disclosed and claimed in the above-identified application.

The undersigned declares further that all statements made herein of his own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of title 18 United States Code and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

10/18/04

Tim Fox

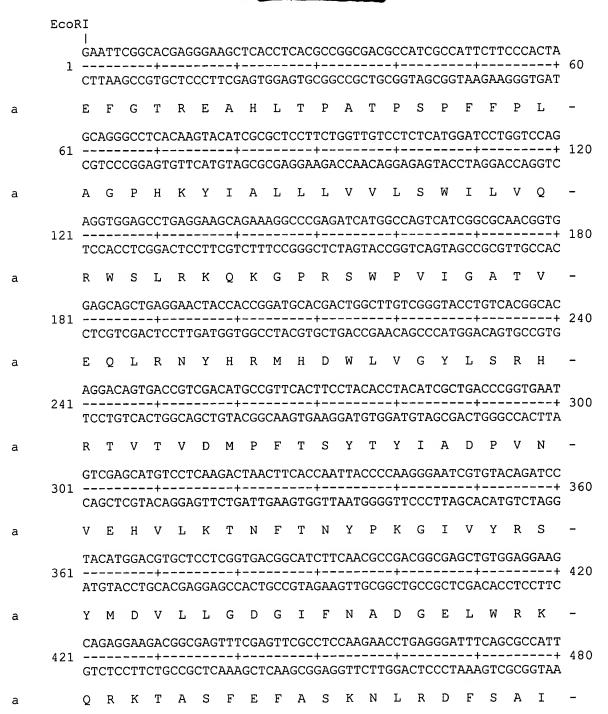
Date

## USSN 10/021,657 Exhibit A

(Linear) MAP of: Sb20081.Seq check: 1232 from: 1 to: 1906

REFORMAT of: Sb20081.Seq check: -1 from: 1 to: 1912 10:59
TASSEL SPECIFIC cDNA ISOLATED FROM MAIZE INBRED A632. THIS CLONE IS MISSING
THE FIRST MET, WHICH MAY BE DUE TO CLONING ARTIFACT AS COMPARED TO THE GENOMIC.
CDNA LIBRARY MADE FROM MAIZE TASSEL mRNA IN UNI-ZAP VECTOR (STRATAGENE).
SEQUENCING DONE BY LOFTSTRAND AND IS DOUBLE STRAND VERIFIED.

With 2 enzymes: ECORI XHOI



		101																				AGGC	540										
		401																				TCCG	340										
	a		V	F	R	E	Y	S	L	K	L	S	G	I	L	s	Q	Α	S	K	A	G	-										
		F 4.1																				GGTT											
		541	TTTCAACACCTGTACGTCCTTGAAATGTACTCCTACTGCGACCTGAGGTAGACGTTCCAA															600															
	a		K	V	٧	D	M	Q	E '	Ľ	·Y	M	. R	M	T	L	D	S	I	С	K	V	_										
			GGGTTCGGGGTCGAGATCGGCACGCTGTCGCCAGATCTCCCCGAGAACAGCTTCGCGCAG																														
•		601		+++ 6 CCAAGCCCCAGCTCTAGCCGTGCGACAGCGGTCTAGAGGGGGCTCTTGTCGAAGCGCGTC															660														
	a		G	F	G	V	E	I	G	Т	L	s	P	D	L	P	E	N	s	F	A	Q	_										
			GCGTTCGATGCCGCCAACATCATCATCACGCTGCGGTTCATCGACCCGCTGTGGCGCA																														
		661																				+ GTAG	720										
	a		A	F	D	А	Α	N	I	I	I	T	L	R	F	I	D	P	L	W	R	I	-										
		701																				GGAC											
		721																				CCTG	+ 780 CTG										
	a		K	R	F	F	Н	V	G	s	E	A	L	L	A	Q	S	I	K	L	V	D	-										
				GTT																		0.4.0											
		781																				GTCG	-+ 840 CG										
	a		E	F	Т	Y	S	V	I	R	R	R	K	A	E	I	V	E	V	R	A	S	-										
•		841		GGCAAACAGGAGAAGATGAAGCACGACATCCTGTCACGGTTCATCGAGCTGGGCGAGGCC															000														
		841		GTT	TGT	CCT	CTT	CTA	-													CCGG											
	a		G	K	Q	E	K	M	K	Н	D	I	L	S	R	F	I	E	L	G	E	A	-										
		001																				CTTC	960										
		901																				GAAG	-+ 960 AG										
	a		G	D	D	G	G	G	F	G	D	D	K	S	L	R	D	V	V	L	N	F	-										
		061																				CATG	1020										
		901																				GTAC	1020										
	a		V	I	A	G	R	D	T	T	A	T	Т	L	S	W	F	T	Н	М	A	M	-										
		1021																				GCGC	1080										
		1021																				CGCG	1000										
	a		S	Н	Р	D	V	A	E	K	L	R	R	Ē	L	С	Α	F	Ε	Α	E	R	_										

	1001																				3006	1140										
	1081																				CCGC	1140										
a		А	R	E	E	G	V	T	L	V	L	С	G	G	A	D	A	D	D	K	Α	-										
		TTCGCCGCCGCGTGGCGCAGTTCGCGGGCCTCCTCACCTACGACAGCCTCGGCAAGCTG																														
	1141									CAAGCGCCCGGAGGAGTGGATGCTGTCGGAGCCGTTCGAC																						
a		F	A	A	R	V	A	Q	F	A	G	L	L	T	Y	D	s	L	G	K	L	-										
																					GGAC											
	1201			TGGAGGTGCGGACGCAGTGGCTCTGCGAGGCGGACATGGGGCGGCAGGGAGTCCTG														1260														
a		v	Y	L	Н	A	С	V	T	E	Т	L	R	L	Y	Р	A	V	Р	Q	D	-										
			CCCAAGGGGATCCTGGAGGACGACGTGCTGCCGGACGGAC																													
	1261																				GCCC											
a		P	K	G	I	L	E	D	D	V	L	P	D	G	Т	K	V	R	A	G	G	-										
	1321		PKGILEDDVLPDGTKVRAGG- ATGGTGACGTACGTGCCCCGACGCG+++++++															1000														
																					GCGC	1280										
a		М	v	T	Y	V	P	Y	s	М	G	R	М	E	Y	N	W	G	P	D	A	-										
	1201																				GCCG	1440										
	1381																				CGGC	+ 1440 GGC										
a		А	S	F	R	P	E	R	W	I	N	E	D	G	A	F	R	N	A	s	P	-										
		TTCAAGTTCACGGCGTTCCAGGCGGGCCGAGGATCTGCCTGGGCAAGGACTCGGCGTAC															1500															
	1441																				CATG											
a		F	K	F	Т	Α	F	Q	A	G	P	R	I	С	L	G	K	D	s	Α	Y	-										
	1501	CTGCAGATGAAGATGGCGCTGGCCATCCTCTTCCGCTTCTACAGCTTCCGGCTGCTGGAG															1500															
	1501																				CCTC	1200										
a		L	Q	М	K	М	A	L	A	I	L	F	R	F	Y	S	F	R	L	L	E	-										
	1561																				GGTC	1.600										
	1201																				CCAG	1020										
a		G	Н	P	V	Q	Y	R	M	M	Т	I	L	S	M	A	Н	G	L	K	V	-										
	1621																				TAAT	1690										
	1021																				ATTA	+ 1680 TTA										
a		R	V	s	R	A	V	*	С	Н	G	D	L	D	M	D	I	V	P	L	N	-										
		CC	ACG.	ACA	AAT.	AAC	GCT	CGT	GTI	'ACA	AAT	TTG	CAT	GCA	TGC	ATG	TAA	GGG	AAA	GCG.	ATGG											

	1681	GG'	TGC	 TGT	-+- TTA	TTG	CGA	GCA	CAA'	rgt:					-+- ACG		 ATT	+ CCC	 TTT		+ TACC	1740
a		P	R	Q	I	T	L	V	L	Q	I	С	M	Н	Α	С	K	G	K	R	W	-
	1741	GTTTCATTGGTGGCTTGGCTTAAGCCTTAAAAACTCCGTCGGGTCTTGCGAACCACCACA															1800					
		CA	CAAAGTAACCACCGAACCGAATTCGGAATTTTTGAGGCAGCCCAGAACGCTTGGTGGTGT V S L V A W L K P *																			
a		V	S	L	V	A	W	L	K	P	*											
	1801				-+-			+				+			-+-			+			CATC + GTAG	1860
-																						
														Х	hoI 							
	1861	AT.	ATA	TAT 	TAT	CCT	CTT'	TCT'	TAAZ	AAAA 	AAA:	4AA +	AAA 	AAA 	AAC -+-	TCG		190	6			